Fixed Spot Non-Contact Thermometers / Pyrometers

Our extensive range of infrared thermometers provides online temperature measurements and control. Innovative, flexible solutions customisable for diverse processes and specialised applications.

Designed for easy single-person installation, SPOT pyrometers integrate AMETEK Land's world-leading infrared temperature measurements into a resilient unit that's simple to install and position.

Powerful processing, communications and control functions deliver the accurate single spot measurement users depend on to optimise their application processes – helping you maintain high product quality and protect against costly process inefficiencies.

Simple to set up, intuitive to operate, SPOT pyrometers provide a rich stream of accurate, repeatable real-time temperature data delivered locally via the unit or remotely with custom SPOT software.

Adapted for temperature measurements ranging from 0-2600 °C / 32-4700 °F, SPOT's extensive model range also meets the individual process challenges for industries including **Power Generation**, **Aluminium**, **Steel** and **Industrial Processing**.

THE STAND-ALONE SOLUTION
Everything you need is built into SPOT Pyrometers: with no separate processor required, set-up and operation is simple. Intuitive local and remote interfaces manages operational and sophisticated processing functions, while digital and analogue communications and alarm contacts are all included as standard.

Patented Bright Green, easy to see pulsed LED sighting pattern ensures optimum focus while exactly confirming the target spot's location and size. Optics feature a motorised focus that can be easily accessed locally at the pyrometer or remotely over an Ethernet link.

FASTER, MORE ACCURATE MEASUREMENTS
By integrating motorized focus and sophisticated target alignment technologies to help you precisely focus SPOT's advanced infrared optics, our 'point and play' design gives you an accurate, stable measurement, more quickly – reducing maintenance time and enabling faster process adjustments.

A PRECISE FIT FOR YOUR APPLICATION
Every customer application is different, so the SPOT product range is designed to match specific process challenges. Through extensive hardware, software, accessory and remote sensing options, SPOT partners your needs precisely.

SPOT

SPOT is a family of fully featured, high performance pyrometers for fixed non-contact infrared spot temperature measurements. Available in range of operating wavelengths, temperature ranges and process requirements. ... **Keep Reading**

SPOT AL EQS - Aluminium Applications Pyrometer

An advanced non-contact infrared pyrometer providing a single sensor solution for aluminium extrusion, strip mill, forming / forging and further processing. **Keep Reading**

SPOT GS - Galvanized and Galvannealed Strip

An advanced non-contact infrared spot pyrometer specifically designed for continuous, highly accurate measurement of coated steel strip temperature during galvanizing and galvannealing. **Keep Reading**

SPOT Actuator

The SPOT Actuator provides remotely controlled target alignment of a SPOT pyrometer for industrial processing applications. **Keep Reading**

System 4

High-precision, single-spot pyrometers provide exceptional flexibility across a wide range of temperatures, operating wavelengths and applications. **Keep Reading**

Auto Pour

A non-disruptive pyrometer system designed specifically to measure the temperature of liquid metals in the foundry, during the process of pouring into moulds and castings. **Keep Reading**

UNO

A rugged, low-cost, standalone temperature sensor range optimised for OEMs, plant designers and process operators. **Keep Reading**

SOLOnet

Flexible, web browser-enabled digital infrared thermometers customisable to a wide range of process control applications in manufacturing and industry. **Keep Reading**

RT8A

High-accuracy, non-contact infrared thermometer, designed for multiple process measurements in roadstone and glass plants and other challenging low temperature process applications. **Keep Reading**

IQ

A series of compact, rugged, industrial thermometers designed to meet the needs of high temperature process control applications (for sale in the Americas, China and India only). **Keep Reading**

SPRINT8

A compact, rugged non-contact thermometer designed for lower temperature industrial processes (Available in the Americas only). **Keep Reading**

ABT - Aluminium Billet

Fast, accurate, non-contact thermometer designed specifically to measure the temperature profile of aluminium billets as they exit the heating furnace, regardless of the billet emissivity or surface condition. ... **Keep Reading**

ADT - Aluminium Die

High accuracy, fast-response thermometer optimised for the measurement of the die prior to loading into the press in aluminium extrusion processes. **Keep Reading**

CDA - Incinerator

Advanced non-contact infrared thermometer designed for measuring the gas temperature within waste incinerators. **Keep Reading**

DTT - Drawing Tower

A short-wavelength infrared thermometer providing precise and stable temperature measurement for control of optical fibre drawing tower furnaces. **Keep Reading**

FG - Glass Forehearth

A simple fibre-optic, two-wire, loop powered thermometer with 4 to 20mA output. Specifically designed to improve process control in the glass industry. **Keep Reading**

FLT5A - Float Line

Accurate and flexible infrared thermometer measurements for measuring glass surface temperature in the tin bath and annealing lehr on float lines. **Keep Reading**
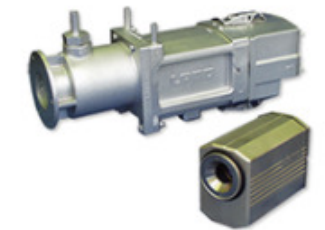
FTS – Furnace

A two-sensor temperature monitoring system designed to continuously measure true load temperatures in reheat furnace applications especially in the challenging heating sections. **Keep Reading**

SP - Spray Chamber

Fibre optic infrared thermometer system, custom-designed for temperature measurements in the hostile environment of the continuous caster spray chamber. **Keep Reading**

VDT - Vapour Deposition

Non-contact infrared thermometer custom-designed for accurate preform temperature measurements in optical fibre manufacture. **Keep Reading**

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